

Table S1. Summarization of the interaction regions between cGAS and nucleosomes.

| Residues from cGAS involved in cGAS-nucleosome interaction | | | Potential interaction regions in nucleosomes |
|--|------------------|-------------------|--|
| Site B | Loop1 | R236 | H2A |
| | Loop2 | K254 | H2A |
| | | R255 | H2A |
| | | K258 | H2A |
| | Loop3 | K327 | H2A |
| | | S328 | H2A |
| | | S329 | H2A |
| | α 5 | R349 | H2B |
| | | K350 | H2A |
| | | R353 | H2B |
| Site C | α -region | K282A/K285A | Nucleosomal DNA |
| | KRK-loop | R300A/K301A/R302A | Nucleosomal DNA |
| | KKH-loop | K427A/K428A | Nucleosomal DNA |